

$0 \leq x \leq 1$, $0 \leq y \leq 1$; and said mirror is made from a material selected from the group consisting of Ag, Pt, Pd, Au/Zn, Au/Be, Au/Ge, Au/Ge/Ni, Al and Ni, or mixtures thereof.

Claim 24 (currently added): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from $(\text{Al}_x\text{Ga}_{1-x})_y\text{In}_{1-y}\text{P}$; wherein $0 \leq x \leq 1$, $0 \leq y \leq 1$, and said mirror is made from Ag.

Claim 25 (currently added): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from $(\text{Al}_x\text{Ga}_{1-x})_y\text{In}_{1-y}\text{P}$; wherein $0 \leq x \leq 1$, $0 \leq y \leq 1$, and said mirror is made from a composite of Al/ Al_2O_3 .

REMARKS

Comments of the Examiner have been reviewed carefully. In response to the restriction, Claims 13-19 are elected. Claim 13 is further amended so as to more clearly define the LED device and comply with the specification and the preferred embodiments, in which the permanent metal substrate is formed beneath the mirror through a plating process.

The Examiner further takes a position that LED epitaxial semiconductor material (group A) and mirror material (group B) must be elected. In response to the requirement, Claims 20-25 are added. In each of Claims 20-23, the specific reflective materials in species B1-14 are elected for matching with one of the LED epitaxial materials in accordance with properties thereof. In Claim 24, AlGaInP (species A2) and Ag (species B1) are elected as the LED epitaxial material and the mirror material in accordance with the second embodiment described in the specification. As the metal

mirror is restricted and further defined in Claims 20-24, Claims 16-17 are cancelled.

Claims 18-19 including species B15-26 for forming the mirror are reserved as these composites are all suitable for any of species A1-4 in accordance with Applicant's knowledge and practical experiences. In currently added Claim 25, AlGaInP (species A2) and Al/Al₂O₃ (species B15) are particularly elected as the LED epitaxial material and the mirror material in accordance with the first embodiment.

Applicant believes that the amendment in Claim 13 and added Claims 20-25 are acceptable without new matter. Applicant also believes that the foregoing is a complete response to the Restriction requirement. However, if anything is required, please telephone Applicant's United States Patent Attorney identified below.

Courtesy, cooperation and skill of Examiner Eric Kielin are appreciated and acknowledged.

Respectfully,

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